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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/944,816	08/31/2001	Jay W. Grate	13129-E (50005-50)	1380
75	90 07/05/2005		EXAM	INER
MCKINLEY LAW OFFICE			DO, PENSEE T	
ATTN. DOUGLAS E. MCKINLEY, JR. P.O. BOX 202			ART UNIT	PAPER NUMBER
RICHLAND, WA 99352			1641	

DATE MAILED: 07/05/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	09/944,816	GRATE ET AL.				
Office Action Summary	Examiner	Art Unit				
	Pensee T. Do	1641				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1) Responsive to communication(s) filed on 19 February 2004.						
2a) ☐ This action is FINAL . 2b) ☑ This	action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4) ☐ Claim(s) 1-59 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) 1-59 are subject to restriction and/or election requirement.						
Application Papers 9) The specification is objected to by the Examiner.						
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s)						
Notice of References Cited (PTO-892)	4) Interview Summary					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	atent Application (PTO-152)				

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DETAILED ACTION

Election/Restrictions

Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) 1-41, 57 drawn to a method comprising a providing a fluid flow path, a first mixture including a plurality of magnetic particles; passing the first mixture through a capture zone with a magnetic field; perfusing the first magnetic particle isolate with a first dispersion medium; and pulsing the fist dispersion medium through the capture zone to dislodge the first magnetic particle isolate from capture zone.

Group II, claim(s) 42-56, drawn to an apparatus comprising a fluid flow path, a fluid flow controlled to impose a positive or negative pressure on the flow path to cause controlled liquid flow through the flow path; a magnetic field and a detector positioned to detect a physical or chemical property of the fluid in the flow path.

Group III, claim(s) s 58, 59, drawn to a method comprising of passing a first mixture including a plurality of magnetic particles through a conduit extending through a magnetic field; releasing the magnetic particle isolate; recapturing the magnetic particles by passing the second mixture through the magnetic field.

The inventions listed as Groups I-III relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they have the same or

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corresponding special technical features which is the apparatus of claim 42, comprising a fluid flow path having first and second ends and a capture zone between first and second ends; a fluid flow controller effective to variably impose a positive or negative pressure on the flow path to cause controlled fluid flow through the fluid flow path; a magnetic field source; and a detector. However, the special technical feature is taught by Blankenstein (US 6,432,630).

Blankenstein teaches a micro flow system for separating particles comprising a flow channel defining a flow path, first inlet means on one end, and first outlet means on the other end. The flow of the fluid contains particles being controlled in such a way that one particle passes a cross section of the channel. There may be immobilized reagents located in the flow channel and a plurality of assay sites located in the flow channel. The system also contains guiding buffers (fluid controller). Particles are magnetic and a magnetic field is used in separation (see col. 5, lines 25-65). Detector such as optical means can also be used in conjunction with the channel. (see col. 6, lines 50-65).

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Pensee T. Do whose telephone number is 571-272-0819. The examiner can normally be reached on Monday-Friday, 7:00-3:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Long Le can be reached on 571-272-0823. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Pensee T. Do Patent Examiner June 27, 2005

LONG V. LE SUPERVISORY PATENT EXAMINER

TECHNOLOGY CENTER 1600